

# Stanford

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## Robert Tibshirani

Professor of Biomedical Data Science and of Statistics

### Bio

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#### ACADEMIC APPOINTMENTS

- Professor, Biomedical Data Science
- Professor, Statistics
- Member, Bio-X
- Member, Child Health Research Institute
- Member, Stanford Cancer Institute

#### HONORS AND AWARDS

- Fellow, American Statistical Association (1992)
- Fellow, Institute of mathematical statistics (1993)
- Guggenheim fellowship, Guggenheim foundation (1994)
- Fellow, Royal Society of Canada (1997)
- President's award, Committee of Presidents of Statistical societies (1997)
- E.W Steacie Prize, NSERC- Canada (1998)
- Alumni Achievement Award, University of Waterloo (2006)
- Elected Member, National Academy of Sciences (2012)
- Gold medal, Statistical Society of Canada (2012)

#### PROFESSIONAL EDUCATION

- BMath, Waterloo , Math- CS/Statistics (1979)
- MSc, Toronto , Statistics (1980)
- PhD, Stanford , Statistics (1984)

#### LINKS

- Personal Web site: <http://www-stat.stanford.edu/~tibs>

### Research & Scholarship

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#### CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research is in applied statistics and biostatistics. I specialize in computer-intensive methods for regression and classification, bootstrap, cross-validation and statistical inference, and signal and image analysis for medical diagnosis.

## Teaching

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### COURSES

#### 2017-18

- Introduction to Statistical Learning: STATS 216 (Win)
- Modern Applied Statistics: Learning: STATS 315A (Win)

#### 2016-17

- Data Science 101: STATS 101 (Aut)
- Introduction to Statistical Learning: STATS 216 (Win)

#### 2015-16

- Introduction to Statistical Modeling: STATS 305 (Aut)

#### 2014-15

- Methods for Applied Statistics: Unsupervised Learning: STATS 306B (Spr)

### STANFORD ADVISEES

#### Doctoral Dissertation Reader (AC)

Ruoxi Wang

#### Doctoral Dissertation Advisor (AC)

Xiaotong Suo

### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Biomedical Informatics (Phd Program)
- Immunology (Phd Program)

## Publications

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### PUBLICATIONS

- **Data Shared Lasso: A novel tool to discover uplift** *COMPUTATIONAL STATISTICS & DATA ANALYSIS*  
Gross, S. M., Tibshirani, R.  
2016; 101: 226-235
- **Pancreatic Cancer Surgical Resection Margins: Molecular Assessment by Mass Spectrometry Imaging.** *PLoS medicine*  
Eberlin, L. S., Margulis, K., Planell-Mendez, I., Zare, R. N., Tibshirani, R., Longacre, T. A., Jalali, M., Norton, J. A., Poultsides, G. A.  
2016; 13 (8)
- **Pathophysiological significance and therapeutic targeting of germinal center kinase in diffuse large B-cell lymphoma.** *Blood*  
Matthews, J. M., Bhatt, S., Patricelli, M. P., Nomanbhoy, T. K., Jiang, X., Natkunam, Y., Gentles, A. J., Martinez, E., Zhu, D., Chapman, J. R., Cortizas, E., Shyam, R., Chinichian, et al  
2016; 128 (2): 239-248
- **Exact Post-Selection Inference for Sequential Regression Procedures** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*  
Tibshirani, R. J., Taylor, J., Lockhart, R., Tibshirani, R.  
2016; 111 (514): 600-614
- **INFERENCE IN ADAPTIVE REGRESSION VIA THE KAC-RICE FORMULA** *ANNALS OF STATISTICS*  
Taylor, J. E., Loftus, J. R., Tibshirani, R. J.  
2016; 44 (2): 743-770

- **Sparse regression and marginal testing using cluster prototypes.** *Biostatistics*  
Reid, S., Tibshirani, R.  
2016; 17 (2): 364-376
- **Successful immunotherapy induces previously unidentified allergen-specific CD4+ T-cell subsets.** *Proceedings of the National Academy of Sciences of the United States of America*  
Ryan, J. F., Hovde, R., Glanville, J., Lyu, S., Ji, X., Gupta, S., Tibshirani, R. J., Jay, D. C., Boyd, S. D., Chinthrajah, R. S., Davis, M. M., Galli, S. J., Maecker, et al  
2016; 113 (9): E1286-95
- **CUSTOMIZED TRAINING WITH AN APPLICATION TO MASS SPECTROMETRIC IMAGING OF CANCER TISSUE** *ANNALS OF APPLIED STATISTICS*  
Powers, S., Hastie, T., Tibshirani, R.  
2015; 9 (4): 1709-1725
- **A component lasso** *CANADIAN JOURNAL OF STATISTICS-REVUE CANADIENNE DE STATISTIQUE*  
Hussami, N., Tibshirani, R. J.  
2015; 43 (4): 624-646
- **The Radiogenomic Risk Score: Construction of a Prognostic Quantitative, Noninvasive Image-based Molecular Assay for Renal Cell Carcinoma** *RADIOLOGY*  
Jamshidi, N., Jonasch, E., Zapala, M., Korn, R. L., Aganovic, L., Zhao, H., Sitaram, R. T., Tibshirani, R. J., Banerjee, S., Brooks, J. D., Ljungberg, B., Kuo, M. D.  
2015; 277 (1): 114-123
- **Statistical learning and selective inference** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Taylor, J., Tibshirani, R. J.  
2015; 112 (25): 7629-7634
- **Collaborative regression** *BIostatistics*  
Gross, S. M., Tibshirani, R.  
2015; 16 (2): 326-338
- **CONVEX HIERARCHICAL TESTING OF INTERACTIONS** *ANNALS OF APPLIED STATISTICS*  
Bien, J., Simon, N., Tibshirani, R.  
2015; 9 (1): 27-42
- **Molecular subtyping for clinically defined breast cancer subgroups** *BREAST CANCER RESEARCH*  
Zhao, X., Rodland, E. A., Tibshirani, R., Plevritis, S.  
2015; 17
- **Pancancer analysis of DNA methylation-driven genes using MethylMix** *GENOME BIOLOGY*  
Gevaert, O., Tibshirani, R., Plevritis, S. K.  
2015; 16
- **Pancancer analysis of DNA methylation-driven genes using MethylMix.** *Genome biology*  
Gevaert, O., Tibshirani, R., Plevritis, S. K.  
2015; 16: 17-?
- **A Simple Method for Estimating Interactions Between a Treatment and a Large Number of Covariates** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*  
Tian, L., Alizadeh, A. A., Gentles, A. J., Tibshirani, R.  
2014; 109 (508): 1517-1532
- **Quantitative SD-OCT imaging biomarkers as indicators of age-related macular degeneration progression.** *Investigative ophthalmology & visual science*  
de Sisternes, L., Simon, N., Tibshirani, R., Leng, T., Rubin, D. L.  
2014; 55 (11): 7093-7103
- **Alteration of the lipid profile in lymphomas induced by MYC overexpression.** *Proceedings of the National Academy of Sciences of the United States of America*  
Eberlin, L. S., Gabay, M., Fan, A. C., Gouw, A. M., Tibshirani, R. J., Felsner, D. W., Zare, R. N.  
2014; 111 (29): 10450-10455

- **Automated identification of stratifying signatures in cellular subpopulations** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Bruggner, R. V., Bodenmiller, B., Dill, D. L., Tibshirani, R. J., Nolan, G. P.  
2014; 111 (26): E2770-E2777
- **Active idiotypic vaccination versus control immunotherapy for follicular lymphoma.** *Journal of clinical oncology*  
Levy, R., Ganjoo, K. N., Leonard, J. P., Vose, J. M., Flinn, I. W., Ambinder, R. F., Connors, J. M., Berinstein, N. L., Belch, A. R., Bartlett, N. L., Nichols, C., Emmanouilides, C. E., Timmerman, et al  
2014; 32 (17): 1797-1803
- **Regularization Paths for Conditional Logistic Regression: The clogitL1 Package** *JOURNAL OF STATISTICAL SOFTWARE*  
Reid, S., Tibshirani, R.  
2014; 58 (12): 1-23
- **Sensitivity analysis for inference with partially identifiable covariance matrices** *COMPUTATIONAL STATISTICS*  
G'Sell, M. G., Shen-Orr, S. S., Tibshirani, R.  
2014; 29 (3-4): 529-546
- **LMO2 and BCL6 are associated with improved survival in primary central nervous system lymphoma** *BRITISH JOURNAL OF HAEMATOLOGY*  
Lossos, C., Bayraktar, S., Weinzierl, E., Younes, S. F., Hosein, P. J., Tibshirani, R. J., Posthumus, J. S., DeAngelis, L. M., Raizer, J., Schiff, D., Abrey, L., Natkunam, Y., Lossos, et al  
2014; 165 (5): 640-648
- **A multicentre study of primary breast diffuse large B-cell lymphoma in the rituximab era** *BRITISH JOURNAL OF HAEMATOLOGY*  
Hosein, P. J., Maragulia, J. C., Salzberg, M. P., Press, O. W., Habermann, T. M., Vose, J. M., Bast, M., Advani, R. H., Tibshirani, R., Evens, A. M., Islam, N., Leonard, J. P., Martin, et al  
2014; 165 (3): 358-363
- **A SIGNIFICANCE TEST FOR THE LASSO** *ANNALS OF STATISTICS*  
Lockhart, R., Taylor, J., Tibshirani, R. J., Tibshirani, R.  
2014; 42 (2): 413-468
- **Molecular assessment of surgical-resection margins of gastric cancer by mass-spectrometric imaging.** *Proceedings of the National Academy of Sciences of the United States of America*  
Eberlin, L. S., Tibshirani, R. J., Zhang, J., Longacre, T. A., Berry, G. J., Bingham, D. B., Norton, J. A., Zare, R. N., Poultides, G. A.  
2014; 111 (7): 2436-2441
- **Systems analysis of sex differences reveals an immunosuppressive role for testosterone in the response to influenza vaccination.** *Proceedings of the National Academy of Sciences of the United States of America*  
Furman, D., Hejblum, B. P., Simon, N., Jovic, V., Dekker, C. L., Thiébaud, R., Tibshirani, R. J., Davis, M. M.  
2014; 111 (2): 869-874
- **Increasing value and reducing waste in research design, conduct, and analysis.** *Lancet*  
Ioannidis, J. P., Greenland, S., Hlatky, M. A., Khoury, M. J., Macleod, M. R., Moher, D., Schulz, K. F., Tibshirani, R.  
2014; 383 (9912): 166-175
- **A shared transcriptional program in early breast neoplasias despite genetic and clinical distinctions** *GENOME BIOLOGY*  
Brunner, A. L., Li, J., Guo, X., Sweeney, R. T., Varma, S., Zhu, S. X., Li, R., Tibshirani, R., West, R. B.  
2014; 15 (5)
- **Finding consistent patterns: A nonparametric approach for identifying differential expression in RNA-Seq data** *STATISTICAL METHODS IN MEDICAL RESEARCH*  
Li, J., Tibshirani, R.  
2013; 22 (5): 519-536
- **Identification of gene microarray expression profiles in patients with chronic graft-versus-host disease following allogeneic hematopoietic cell transplantation.** *Clinical immunology*  
Kohrt, H. E., Tian, L., Li, L., Alizadeh, A. A., Hsieh, S., Tibshirani, R. J., Strober, S., Sarwal, M., Lowsky, R.  
2013; 148 (1): 124-135
- **A LASSO FOR HIERARCHICAL INTERACTIONS** *ANNALS OF STATISTICS*

- Bien, J., Taylor, J., Tibshirani, R.  
2013; 41 (3): 1111-1141
- **A Sparse-Group Lasso** *JOURNAL OF COMPUTATIONAL AND GRAPHICAL STATISTICS*  
Simon, N., Friedman, J., Hastie, T., Tibshirani, R.  
2013; 22 (2): 231-245
  - **Classification of patients from time-course gene expression** *BIOSTATISTICS*  
Zhang, Y., Tibshirani, R., Davis, R.  
2013; 14 (1): 87-98
  - **Scientific research in the age of omics: the good, the bad, and the sloppy** *JOURNAL OF THE AMERICAN MEDICAL INFORMATICS ASSOCIATION*  
Witten, D. M., Tibshirani, R.  
2013; 20 (1): 125-127
  - **Coronary risk assessment among intermediate risk patients using a clinical and biomarker based algorithm developed and validated in two population cohorts** *CURRENT MEDICAL RESEARCH AND OPINION*  
Cross, D. S., McCarty, C. A., Hytopoulos, E., Beggs, M., Nolan, N., Harrington, D. S., Hastie, T., Tibshirani, R., Tracy, R. P., Psaty, B. M., McClelland, R., Tsao, P. S., Quertermous, et al  
2012; 28 (11): 1819-1830
  - **Genome-wide Measurement of RNA Folding Energies** *MOLECULAR CELL*  
Wan, Y., Qu, K., Ouyang, Z., Kertesz, M., Li, J., Tibshirani, R., Makino, D. L., Nutter, R. C., Segal, E., Chang, H. Y.  
2012; 48 (2): 169-181
  - **Normalization, testing, and false discovery rate estimation for RNA-sequencing data** *BIOSTATISTICS*  
Li, J., Witten, D. M., Johnstone, I. M., Tibshirani, R.  
2012; 13 (3): 523-538
  - **STANDARDIZATION AND THE GROUP LASSO PENALTY** *STATISTICA SINICA*  
Simon, N., Tibshirani, R.  
2012; 22 (3): 983-1001
  - **Autoantibody Epitope Spreading in the Pre-Clinical Phase Predicts Progression to Rheumatoid Arthritis** *PLOS ONE*  
Sokolove, J., Bromberg, R., Deane, K. D., Lahey, L. J., Derber, L. A., Chandra, P. E., Edison, J. D., Gilliland, W. R., Tibshirani, R. J., Norris, J. M., Holers, V. M., Robinson, W. H.  
2012; 7 (5)
  - **DEGREES OF FREEDOM IN LASSO PROBLEMS** *ANNALS OF STATISTICS*  
Tibshirani, R. J., Taylor, J.  
2012; 40 (2): 1198-1232
  - **In situ vaccination against mycosis fungoides by intratumoral injection of a TLR9 agonist combined with radiation: a phase 1/2 study** *BLOOD*  
Kim, Y. H., Gratzinger, D., Harrison, C., Brody, J. D., Czerwinski, D. K., Ai, W. Z., Morales, A., Abdulla, F., Xing, L., Navi, D., Tibshirani, R. J., Advani, R. H., Lingala, et al  
2012; 119 (2): 355-363
  - **Strong rules for discarding predictors in lasso-type problems** *J. Royal stat. Assoc B*  
robert tibshirani, bien, friedman, Hastie, Simon, Taylor, Tibshirani  
2012; 74: 245-266
  - **Strong rules for discarding predictors in lasso-type problems** *JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES B-STATISTICAL METHODOLOGY*  
Tibshirani, R., Bien, J., Friedman, J., Hastie, T., Simon, N., Taylor, J., Tibshirani, R. J.  
2012; 74: 245-266
  - **Transcriptional profiling of long non-coding RNAs and novel transcribed regions across a diverse panel of archived human cancers** *GENOME BIOLOGY*  
Brunner, A. L., Beck, A. H., Edris, B., Sweeney, R. T., Zhu, S. X., Li, R., Montgomery, K., Varma, S., Gilks, T., Guo, X., Foley, J. W., Witten, D. M., Giacomini, et al  
2012; 13 (8)

- **Sparse estimation of a covariance matrix** *BIOMETRIKA*  
Bien, J., Tibshirani, R. J.  
2011; 98 (4): 807-820
- **PROTOTYPE SELECTION FOR INTERPRETABLE CLASSIFICATION** *ANNALS OF APPLIED STATISTICS*  
Bien, J., Tibshirani, R.  
2011; 5 (4): 2403-2424
- **A fused lasso latent feature model for analyzing multi-sample aCGH data** *BIOSTATISTICS*  
Nowak, G., Hastie, T., Pollack, J. R., Tibshirani, R.  
2011; 12 (4): 776-791
- **Hierarchical Clustering With Prototypes via Minimax Linkage** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*  
Bien, J., Tibshirani, R.  
2011; 106 (495): 1075-1084
- **Prediction of survival in diffuse large B-cell lymphoma based on the expression of 2 genes reflecting tumor and microenvironment** *BLOOD*  
Alizadeh, A. A., Gentles, A. J., Alencar, A. J., Liu, C. L., Kohrt, H. E., Houot, R., Goldstein, M. J., Zhao, S., Natkunam, Y., Advani, R. H., Gascoyne, R. D., Briones, J., Tibshirani, et al  
2011; 118 (5): 1350-1358
- **NOVEL CELL-TYPE SPECIFIC DECONVOLUTION OF WHOLE-BLOOD GENE EXPRESSION PROFILES IN RENAL ACUTE REJECTION**  
Khatri, P., Shen-Orr, S., Tibshirani, R., Butte, A., Sarwal, M.  
WILEY-BLACKWELL.2011: 79-80
- **MicroRNAs Are Independent Predictors of Outcome in Diffuse Large B-Cell Lymphoma Patients Treated with R-CHOP** *CLINICAL CANCER RESEARCH*  
Alencar, A. J., Malumbres, R., Kozloski, G. A., Advani, R., Talreja, N., Chinichian, S., Briones, J., Natkunam, Y., Sehn, L. H., Gascoyne, R. D., Tibshirani, R., Lossos, I. S.  
2011; 17 (12): 4125-4135
- **THE SOLUTION PATH OF THE GENERALIZED LASSO** *ANNALS OF STATISTICS*  
Tibshirani, R. J., Taylor, J.  
2011; 39 (3): 1335-1371
- **Regularization Paths for Cox's Proportional Hazards Model via Coordinate Descent** *JOURNAL OF STATISTICAL SOFTWARE*  
Simon, N., Friedman, J., Hastie, T., Tibshirani, R.  
2011; 39 (5): 1-13
- **The Prognostic Value of Tumor-Associated Macrophages in Leiomyosarcoma A Single Institution Study** *AMERICAN JOURNAL OF CLINICAL ONCOLOGY-CANCER CLINICAL TRIALS*  
Ganjoo, K. N., Witten, D., Patel, M., Espinosa, I., La, T., Tibshirani, R., van de Rijn, M., Jacobs, C., West, R. B.  
2011; 34 (1): 82-86
- **Nearly-Isotonic Regression** *TECHNOMETRICS*  
Tibshirani, R. J., Hoefling, H., Tibshirani, R.  
2011; 53 (1): 54-61
- **Adaptive index models for marker-based risk stratification** *BIOSTATISTICS*  
Tian, L., Tibshirani, R.  
2011; 12 (1): 68-86
- **Regression shrinkage and selection via the lasso: a retrospective** *JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES B-STATISTICAL METHODOLOGY*  
Tibshirani, R.  
2011; 73: 273-282
- **Penalized classification using Fisher's linear discriminant** *JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES B-STATISTICAL METHODOLOGY*  
Witten, D. M., Tibshirani, R.  
2011; 73: 753-772

- **Bayesian gene set analysis for identifying significant biological pathways** *JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES C-APPLIED STATISTICS*  
Shahbaba, B., Tibshirani, R., Shachaf, C. M., Plevritis, S. K.  
2011; 60: 541-557
- **Supervised multidimensional scaling for visualization, classification, and bipartite ranking** *COMPUTATIONAL STATISTICS & DATA ANALYSIS*  
Witten, D. M., Tibshirani, R.  
2011; 55 (1): 789-801
- **A statistician plays darts** *JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES A-STATISTICS IN SOCIETY*  
Tibshirani, R. J., Price, A., Taylor, J.  
2011; 174: 213-226
- **In Situ Vaccination with TLR9 Agonist Combined with Local Radiation In Mycosis Fungoides: Analysis of Phase I/II Study** *52nd Annual Meeting and Exposition of the American-Society-of-Hematology (ASH)*  
Kim, Y. H., Gratzinger, D., Harrison, C., Brody, J., Czerwinski, D., Xing, L., Morales, A., Ai, W., Abdulla, F., Navi, D., Tibshirani, R. J., Advani, R., Natkunam, et al  
AMER SOC HEMATOLOGY.2010: 130-30
- **Prediction of Survival In Diffuse Large B-Cell Lymphoma Based On the Expression of Two Genes Reflecting Tumor and Microenvironment** *52nd Annual Meeting and Exposition of the American-Society-of-Hematology (ASH)*  
Alizadeh, A. A., Gentles, A. J., Alencar, A. J., Kohrt, H. E., Houot, R., Goldstein, M. J., Zhao, S., Natkunam, Y., Advani, R., Gascoyne, R. D., Briones, J., Tibshirani, R. J., Myklebust, et al  
AMER SOC HEMATOLOGY.2010: 836-37
- **In Situ Vaccination With a TLR9 Agonist Induces Systemic Lymphoma Regression: A Phase I/II Study** *JOURNAL OF CLINICAL ONCOLOGY*  
Brody, J. D., Ai, W. Z., Czerwinski, D. K., Torchia, J. A., Levy, M., Advani, R. H., Kim, Y. H., Hoppe, R. T., Knox, S. J., Shin, L. K., Wapnir, I., Tibshirani, R. J., Levy, et al  
2010; 28 (28): 4324-4332
- **Spectral Regularization Algorithms for Learning Large Incomplete Matrices** *JOURNAL OF MACHINE LEARNING RESEARCH*  
Mazumder, R., Hastie, T., Tibshirani, R.  
2010; 11: 2287-2322
- **Analysis of factorial time-course microarrays with application to a clinical study of burn injury.** *Proceedings of the National Academy of Sciences of the United States of America*  
Zhou, B., Xu, W., Herndon, D., Tompkins, R., Davis, R., Xiao, W., Wong, W. H., Toner, M., Warren, H. S., Schoenfeld, D. A., Rahme, L., McDonald-Smith, G. P., Hayden, et al  
2010; 107 (22): 9923-9928
- **A Framework for Feature Selection in Clustering** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*  
Witten, D. M., Tibshirani, R.  
2010; 105 (490): 713-726
- **TRANSPOSABLE REGULARIZED COVARIANCE MODELS WITH AN APPLICATION TO MISSING DATA IMPUTATION** *ANNALS OF APPLIED STATISTICS*  
Allen, G. I., Tibshirani, R.  
2010; 4 (2): 764-790
- **Ultra-high throughput sequencing-based small RNA discovery and discrete statistical biomarker analysis in a collection of cervical tumours and matched controls** *BMC BIOLOGY*  
Witten, D., Tibshirani, R., Gu, S. G., Fire, A., Lui, W.  
2010; 8
- **Cell type-specific gene expression differences in complex tissues** *NATURE METHODS*  
Shen-Orr, S. S., Tibshirani, R., Khatri, P., Bodian, D. L., Staedtler, F., Perry, N. M., Hastie, T., Sarwal, M. M., Davis, M. M., Butte, A. J.  
2010; 7 (4): 287-289
- **Novel Cell-Type Specific Deconvolution of Whole-Blood Gene Expression Profiles in Renal Acute Rejection** *10th American Transplant Congress*  
Khatri, P., Shen-Orr, S., Tibshirani, R., Butte, A. J., Sarwal, M. M.  
WILEY-BLACKWELL.2010: 294-294

- **C-C Chemokine Receptor 1 Expression in Human Hematolymphoid Neoplasia** *AMERICAN JOURNAL OF CLINICAL PATHOLOGY*  
Anderson, M. W., Zhao, S., Ai, W. Z., Tibshirani, R., Levy, R., Lossos, I. S., Natkunam, Y.  
2010; 133 (3): 473-483
- **Discovery of molecular subtypes in leiomyosarcoma through integrative molecular profiling** *ONCOGENE*  
Beck, A. H., Lee, C., WITTEN, D. M., Gleason, B. C., Edris, B., Espinosa, I., Zhu, S., Li, R., Montgomery, K. D., Marinelli, R. J., Tibshirani, R., Hastie, T., Jablons, et al  
2010; 29 (6): 845-854
- **Survival analysis with high-dimensional covariates** *STATISTICAL METHODS IN MEDICAL RESEARCH*  
Witten, D. M., Tibshirani, R.  
2010; 19 (1): 29-51
- **CD81 protein is expressed at high levels in normal germinal center B cells and in subtypes of human lymphomas** *HUMAN PATHOLOGY*  
Luo, R. F., Zhao, S., Tibshirani, R., Myklebust, J. H., Sanyal, M., Fernandez, R., Gratzinger, D., Marinelli, R. J., Lu, Z. S., Wong, A., Levy, R., Levy, S., Natkunam, et al  
2010; 41 (2): 271-280
- **DR-Integrator: a new analytic tool for integrating DNA copy number and gene expression data** *BIOINFORMATICS*  
Salari, K., Tibshirani, R., Pollack, J. R.  
2010; 26 (3): 414-416
- **Regularization Paths for Generalized Linear Models via Coordinate Descent** *JOURNAL OF STATISTICAL SOFTWARE*  
Friedman, J., Hastie, T., Tibshirani, R.  
2010; 33 (1): 1-22
- **3'-End Sequencing for Expression Quantification (3SEQ) from Archival Tumor Samples** *PLOS ONE*  
Beck, A. H., Weng, Z., Witten, D. M., Zhu, S., Foley, J. W., Lacroute, P., Smith, C. L., Tibshirani, R., van de Rijn, M., Sidow, A., West, R. B.  
2010; 5 (1)
- **Predicting Patient Survival from Longitudinal Gene Expression** *STATISTICAL APPLICATIONS IN GENETICS AND MOLECULAR BIOLOGY*  
Zhang, Y., Tibshirani, R. J., Davis, R. W.  
2010; 9 (1)
- **Extracting Cell-type-specific Gene Expression Differences from Complex Tissues** *10th Annual Meeting of the Federation-of-Clinical-Immunology-Societies*  
Shen-Orr, S., Gaidarski, A., Tibshirani, R., Khatri, P., Davis, M., Butte, A.  
ACADEMIC PRESS INC ELSEVIER SCIENCE.2010: S10-S10
- **Lymphoma cell VEGFR2 expression detected by immunohistochemistry predicts poor overall survival in diffuse large B cell lymphoma treated with immunochemotherapy (R-CHOP)** *BRITISH JOURNAL OF HAEMATOLOGY*  
Gratzinger, D., Advani, R., Zhao, S., Talreja, N., Tibshirani, R. J., Shyam, R., Horning, S., Sehn, L. H., Farinha, P., Briones, J., Lossos, I. S., Gascoyne, R. D., Natkunam, et al  
2010; 148 (2): 235-244
- **Local false discovery rate facilitates comparison of different microarray experiments** *NUCLEIC ACIDS RESEARCH*  
Hong, W., Tibshirani, R., Chu, G.  
2009; 37 (22): 7483-7497
- **Relationship of differential gene expression profiles in CD34(+) myelodysplastic syndrome marrow cells to disease subtype and progression** *BLOOD*  
Sridhar, K., Ross, D. T., Tibshirani, R., Butte, A. J., Greenberg, P. L.  
2009; 114 (23): 4847-4858
- **Disease signatures are robust across tissues and experiments** *MOLECULAR SYSTEMS BIOLOGY*  
Dudley, J. T., Tibshirani, R., Deshpande, T., Butte, A. J.  
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